

BTC008

Bluetooth FM transmitter

User Manual

■ Brief introduction	2
1. Bluetooth wireless communication technology.....	2
2. About BTC008.....	2
■ Before using	3
1. Overview.....	3
■ Basic operation	4
1. Installing BTC008.....	4
2. Switching on/off BTC008.....	5
3. Adjusting frequency.....	6
4. Pairing BTC008 with Bluetooth devices.....	6
5. Playing music.....	7
6. Making handsfree call with BTC008.....	7
7. The operation of BTC008.....	8
8. The function of Line-out.....	9
9. LED indicator light.....	9
■ Care and maintenance	10
■ FAQ	10
■ Specification	11

Welcome to use this Bluetooth FM transmitter, BTC008. Please read this user manual carefully before using it.

■ Brief introduction

1. Bluetooth wireless communication technology

Bluetooth is a standard of close range radio communication technology that was drawn up by Ericsson, IBM, Intel, Nokia and Toshiba. Through Bluetooth technology, we can achieve the highest transmission rate among mobile phone, computer, printer, PDA and other devices. The max transmit range of class 2 is 10 meters while the max transmit range of class 1 can reach up to 100 meters.

2. About BTC008

BTC008 has three functions of Bluetooth handsfree, Bluetooth stereo receiver and FM transmitter. At the same time, it has DC 5V USB Charging socket. By using BTC008, you can not only make handsfree call, but also enjoy music wirelessly. The product has the following features:

- 1) Bluetooth handsfree—pairing with Bluetooth mobile phone and PDA which support HFP:
 - ◆ Answer call, end call and reject call
 - ◆ Redial last call
 - ◆ Adjust volume
- 2) Bluetooth stereo receiver—pairing with Bluetooth music device and Bluetooth transmitter which support A2DP:
 - ◆ Enjoy music wirelessly
 - ◆ Adjust volume
 - ◆ Remote control the function of pause/revert to play
 - ◆ Remote control last/next song
- 3) FM transmitter—transmit call or music to car FM radio through the FM transmit function:
 - ◆ Transmit call or music to the car FM radio
 - ◆ Adjust the transmit frequency
 - ◆ Adjust volume
- 4) The sockets of Line in and Line out
 - ◆ Line in—Transmit stereo music to BTC008 from iPod or MP3 with wire
 - ◆ Line out—Transmit call or stereo music to car stereo system from BTC008

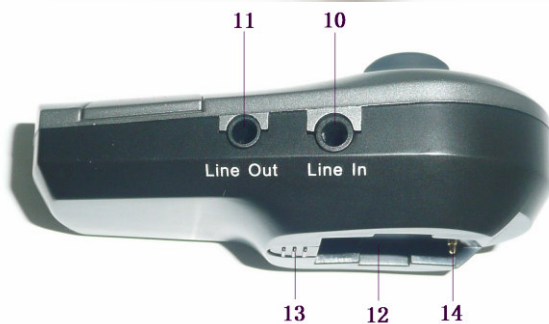
- 5) USB charging socket
 BTC008 has a USB charging socket which provides DC 5V voltage.
 You can power and charge other devices through using it.

Remark: If you want to charge other devices, it requires the cigarette socket of your car can provide 400mA or above current.

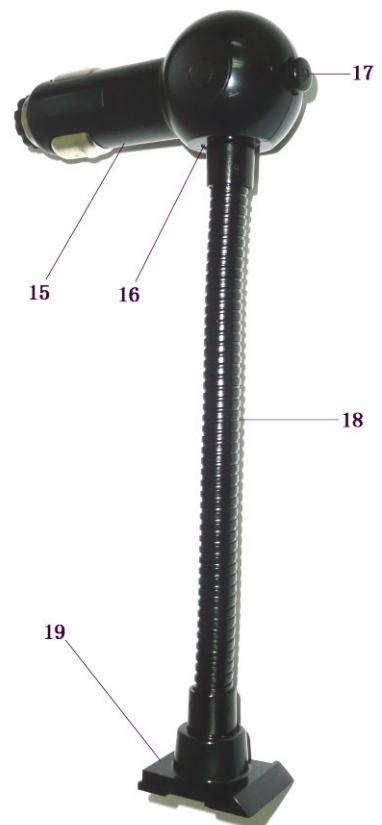


■ Before using

1. Overview



Main body



Cigarette adaptor

1	MFB—Adjust frequency, adjust volume and frequency tuning automatically
2	☎ button—End call and reject call
3	Microphone
4	☎ button—Enter into pairing mode, redial last call and answer call
5	USB socket—Power and charge other devices
6	⏸ button—Pause/revert
7	⏮ button—Last song
8	⏭ button—Next song
9	Display screen—Display the frequency and volume
10	Line In—3.5mm audio input
11	Line Out—3.5mm audio output
12	Connecting slot
13	Spring button
14	Connecting thimble
15	Cigarette adaptor
16	Power indicator light
17	⏻ button—Power switch
18	Flexible neck
19	Connecting buckle

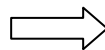
■ Basic operation

1. Installing BTC008

1) Connect cigarette adaptor to car cigarette socket



Before connection



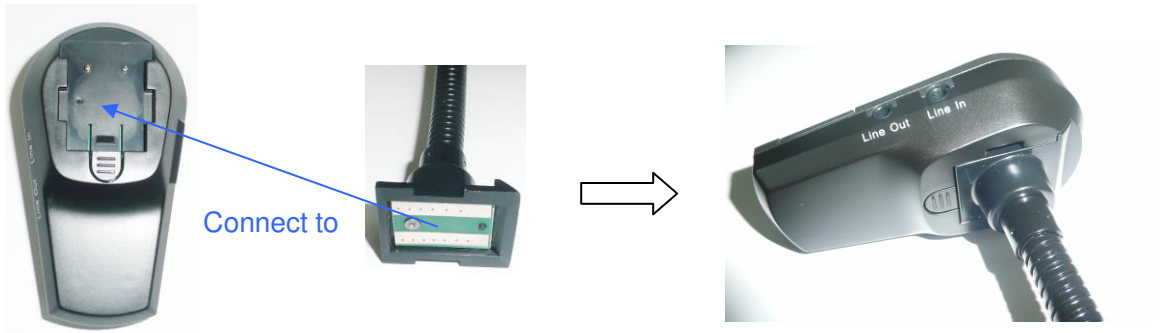
Already connected

Remark:

- ◆ The output voltage of car cigarette socket provided power for BTC008 must be DC 12V, the biggest voltage must not exceed DC 13.5 V.
- ◆ The product is not compliant with some cigarette socket whose output voltage is DC 24V.

2) Connect cigarette adaptor with main body

Press down spring button, as shown below, connect connecting buckle to the connecting slot of main body, and then release the spring button, that is a successful connection.



Before connection

Already connected

3) 3.5mm audio cable connection



Line in





Line out



Line in & Line out

2. Switching on/off BTC008

Function	Operation	Indicator light
Switch on BTC008	Light press  button	Power indicator light is on
Switch off BTC008	Light press  button	Power indicator light is off

Remark: BTC008 will enter into pairing mode automaticallwhen turn on ii every time.



3. Adjusting frequency



Before using BTC008, you have to adjust the frequency of BTC008 to be same as the frequency on the car FM radio.

- 1) Adjust the frequency of car FM radio to a frequency that is not broadcasting radio station;
- 2) Rotate MFB of BTC008 to adjust its frequency to be same as the frequency of car FM radio.

4. Pairing BTC008 with Bluetooth devices


1) Pairing with Bluetooth mobile phone

Please make sure your mobile phone has bluetooth function that is available. Specific pairing steps may vary with different mobile phones. Please refer to your mobile phone user manual for further information. The steps are as follows:

- A. Keep BTC008 and your Bluetooth mobile phone within 1 meter when pairing.
- B. Make BTC008 enter into pairing mode (red and blue indicator lights flashes alternately),
- C. Switch on Bluetooth function of mobile phone and search the Bluetooth device. After searched, select "BTC008" in the Bluetooth device list.
- D. According to indication, enter password or PIN No:"0000", and press the key of "Yes" or "confirm".
- E. After successful pairing, select "BTC008" in the Bluetooth device list, and press "connect". After successful connecting, the red indicator light of  button will be on. If your Bluetooth mobile phone supports A2DP, the blue indicator light of  button will be also on.


2) Pairing with stereo Bluetooth transmitter

The pairing ways of Bluetooth transmitter depends on Bluetooth transmitter itself, please refer to user manual of your Bluetooth transmitter for further information. The steps are as follows:

- A. Keep BTC008 and Bluetooth transmitter within 1 meter when pairing.
- B. Make BTC008 enter into pairing mode (red and blue indicator lights flashes alternately).
- C. Switch on your Bluetooth transmitter and make it enter into pairing mode.
- D. The Bluetooth transmitter will search and connect with BTC008 automatically. After successful connecting, the blue indicator light of  button will be on.

Remark:




- ◆ BTC008 will connect with last connected Bluetooth device automatically when switch it on every time, if you want it enter into

pairing mode, you can press and hold  button for about 2 seconds (red and blue indicator lights flash alternately).

- ◆ The pairing mode will last 3 minutes. BTC008 will exit pairing mode automatically if it can't be connected with any devices after 3 minutes. If you want to continue to pair BTC008 with Bluetooth device, please switch off BTC008 firstly, and then re-pair according to steps above mentioned.
- ◆ If red or blue indicator light is on, which means BTC008 has already connected with some device, at this time, BTC008 can't connect with other devices. If you want to connect BTC008 with other devices, please switch off the Bluetooth function of current device paired with BTC008, and then restart BTC008 to pair with new device.

5. Playing music

1) **Connect with Bluetooth A2DP mobile phone or Bluetooth transmitter**

- A. Adjust the frequency of BTC008 to be same as the frequency on the car FM radio;
- B. Make sure your mobile phone or Bluetooth transmitter has already set up A2DP connection with BTC008 (Blue indicator light is on);
- C. Play music on your mobile phone or other music players, at this time, you can listen to music from car FM radio.
- D. Adjust volume: Short press MFB of BTC008 to enter into the mode of adjusting volume, and then rotate MFB to adjust volume..
- E. Pause/revert: Light press  button of BTC008 to pause music, press once more to play music again.
- F. Last/next song: Light press  button of BTC008 to play last song, Light press.  button of BTC008 to play next song.

2) **3.5mm audio input**

- A. You have to use a 3.5mm to 3.5mm audio cable, one end inserts into Line-in socket of BTC008, and the other end inserts into your music player.
- B. Play music on the music player, at this time, you can listen to music from car FM radio

Remark:







- ◆ When play music through Line-in socket, you can't adjust volume, pause/revert, play last /next song from BTC008
- ◆ When you use wireless and wire to play music at the same time, it will switch to last input type.

For example, BTC008 is playing music from Bluetooth A2DP device, at this time, if you use Line-in socket to play music, it will play music



through Line-in socket.








6. Making handsfree call with BTC008

As long as your mobile phone has Bluetooth function and set up HFP connection with BTC008, you can make handsfree call with BTC008, and remote control the call.

- 1) Adjust the frequency of BTC008 to be same as the frequency on the car FM radio.
- 2) Pair your mobile phone with BTC008, after successful HFP connecting (red indicator light of  button is on), you can make handsfree call with BTC008.
- 3) Redial last call: Long press  button for 3 seconds, you can call the last number.
- 4) Cancel calling: When it is calling, short press  button to cancel calling.
- 5) Answer call: When it is ringing, short press  button to answer call.
- 6) Reject call: When it is ringing, Long press  button for about 2 seconds to reject call.
- 7) End call: When it is in conversation, short press  button to end call.

7. The operation of BTC008

Function	The status of BTC008	Operation
Basic function:		
Enter into pairing mode	Switch on	Press and hold  button for about 2 seconds (red and blue indicator lights flash alternately)
Adjust frequency	Adjust frequency	Rotate MFB once right, the frequency will increase 0.1MHZ; Rotate MFB once left, the frequency will reduce 0.1MHZ
Frequency tuning automatically	Switch off	Long press MFB for 3 seconds, after searched, the screen will display the frequency that is not used
Adjust volume	Conversation/ Playing music	Light press MFB to enter into adjusting volume mode, and then rotate MFB right to increase volume, rotate MFB left to reduce volume
The function of making call:		
Redial last call	Standby mode	Long press  button for about 3 seconds








Cancel calling	Calling	Short press  button
Answer call	Ringing	Short press  button
Reject call	Ringing	Long press  button for about 2 seconds
End call	Conversation mode	Short press  button
The function of playing music:		
Pause/revert	Playing music	Light press  button
Last song	Playing music	Light press  button
Next song	Playing music	Light press  button

8. The function of Line-out

If your car stereo system has stereo audio input socket, you can also transmit stereo music to your car stereo system with wire. Around this socket, it often has remark of "AUX" or "Auxiliary".

The methods: You have to use a 3.5mm to 3.5mm audio cable, one end inserts into Line-out socket of BTC008, and the other end inserts into stereo audio input socket of car stereo system.

9. LED indicators

LED indicator light	The status of BTC008
Blue indicator light of  button flashes slowly	Search last connected device
Red and blue indicator lights flash alternately	Pairing mode
Red indicator light of  button is on	Successful HFP connecting
Blue indicator light of  button is on	Successful A2DP connecting
The indicator lights of  ,  ,  button is on	Switched on
The indicator lights of 	Adjusting volume mode

▶▶, ◀◀ button flash	
---------------------	--

Remark : When switch on BTC008, red indicator lights of ▶▶, ▶▶▶, ◀◀ button is on. The red indicator light only flashes in adjusting volume mode..

■ Care and maintenance

Please read the following suggestions carefully, that will help you to fulfill any warranty obligations and enjoy this product for many years.

- ◆ Keep dry and don't put it in the dump place, so as not to affecting the interior circuit of product.
- ◆ Don't put the product under the sunlight or place in the hot areas. High temperature will shorten the life of electronic device, destroy the battery, or distort certain plastic.
- ◆ Don't expose the product in the cold areas. It may damage the internal circuit board.
- ◆ Don't try to take apart the product. It may damage the product if you are not professional.
- ◆ Don't fall off on the floor or knock the hard substance. It may damage interior circuit.
- ◆ Don't use intensify chemical or detergent to clean the product.
- ◆ Don't scarp the surface with sharp things.

If the product can't work normally, please send it to the regularly asserted store. The staff will help you to solve the problem warmly.

■ FAQ

1. Why is red indicator light of 📞 button on?

Because BTC008 has already connected with Bluetooth HFP device, you can make handsfree call.

2. Why is blue indicator light of 🎵 button on?

Because BTC008 has already connected with Bluetooth A2DP device, you can play music.

3. Why is not sound clearly?

- a) Please make sure car FM radio has already been adjusted to a clean channel;
- b) Please make sure the frequency of BTC008 is same as the frequency of car FM radio;
- c) Please make sure BTC008 is in the effective working range.

4. Why can not BTC008 pair with Bluetooth device?

- a) Please make sure BTC008 is in pairing mode;
- b) Please make sure BTC008 is in the effective working range.

5. Why can not play music when connect with Bluetooth mobile phone?

- a) Pleaser make sure your Bluetooth mobile phone support A2DP;
- b) Please make sure BTC008 is in the effective working range.

6. When play music, why can not pause, revert, play last song and next song from BTC008?

- a) BTC008 can not remote control when play music through 3.5mm Line-in socket;
- b) This function needs Bluetooth device paired with BTC008 to support AVRCP (Audio/Video Remote Control Profile). Please make sure your mobile phone or Bluetooth transmitter support AVRCP.

7. How far is Bluetooth effective range and FM transmit range?

- a) According to the Bluetooth standard, the max. controllable range of Class 2 handsfree kit is 10 meters. But it varies with different environment and paired mobile phone
- b) FM transmit range is up to 4 meters.

■ Specification

Bluetooth version	Bluetooth V2.1
Bluetooth profiles	HSP, HFP, A2DP and AVRCP
Frequency response	2.4GHz-2.4835GHz
FM frequency	88.1-107.9MHz
Bluetooth range	10M
FM range	5M
Max. undistorted audio Input	395mV p-p
Input	DC 12V --- 400mA
USB output	DC 5.0V --- 600mA
Dimension	84×46×32mm
Weight	Main body: 42.9g Cigarette adaptor: 75.5g

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.